

PATENT



Docket No.: JCLA6244-C1-R

#15/E
K Cooper
3-12-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : MASAHIRO KOBAYASHI

Serial No. : 09/611,562

Filed On : 7/7/2000

For : HEAT EXCHANGER

PRELIMINARY AMENDMENT

RECEIVED

MAR 10 2003
TECHNOLOGY CENTER R3700

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to the examination on the merits, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claims 1-4 without prejudice and disclaimer.

Please add new claims 6-11 as follows:

6. (Newly Added) A structure of heat transfer fin mounted within a heat exchanger that includes a plurality of heat transfer coils penetrating through the heat transfer fin, wherein air is supplied orthogonally to said heat transfer coils, and the heat transfer fin is partitioned in at least one fin unit in which arrays of slits are arranged in a row, the heat transfer fin being characterized in that the arrangement of the arrays of slits satisfies the following formula:

$$W_s \geq (1 - 0.1(6 - N)) \times W_F / (2N + 1),$$

wherein W_s = width of one slit, W_F = width of a fin unit, and N = the number of slit arrays/the number of fin units.

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